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 TI Fine **copper** alloy wire with high strength and flexibility
 PA Furukawa Electric Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
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PI	JP 57145954	A2	19820909	JP 1981-32269	19810306
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AB The **Cu** alloys contain **Sn** 0.1-1, **Ag** 0.1-0.49,
 and optionally P, Zn, and/or Mn $\leq 0.2\%$. An ingot is scalped, hot
 worked, annealed at 550°, pickled, drawn 99.96% to 0.15 mm, and
 straightened. The yield strength is 77.2-80.3, tensile strength 87.9-89.7
 kg/mm², elec. conductivity 64.8-84.7% IACS, flexibility good, and drawability
 satisfactory, compared with 72.1, 74.3 kg/mm², 30.8% , bad, and difficult
 to 89.8% for the conventional **Cu** alloy containing Ni 1.98 and Mn
 0.48%. A typical **Cu** alloy [84506-98-9] contains
Sn 0.11 and **Ag** 0.49%.